

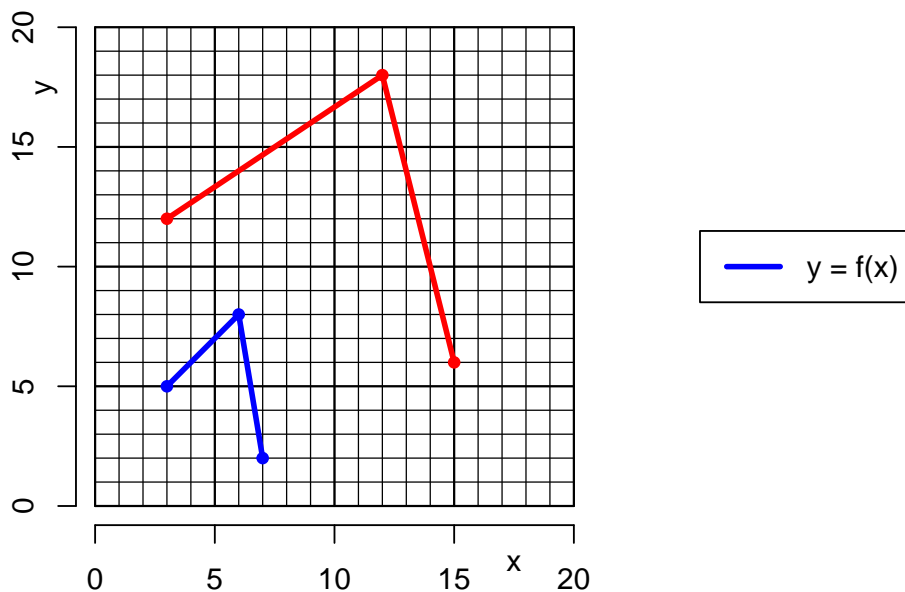
Name: \_\_\_\_\_

Date: \_\_\_\_\_

## PCW\_09\_18 Find new points after transformation (version 6)

### Question 1

Curve  $y = f(x)$  contains points  $(3, 5)$  and  $(6, 8)$  and  $(7, 2)$ , as shown on the  $x$ - $y$  plane below.

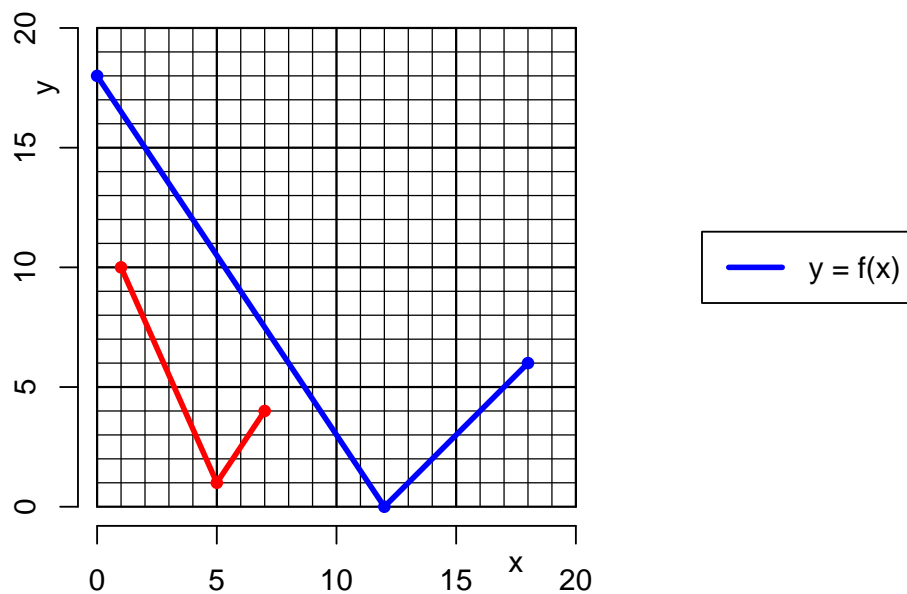


On the same plane, please draw the curve represented by the equation below:

$$y = 2f\left[\frac{x+6}{3}\right] + 2$$

## Question 2

Curve  $y = f(x)$  contains points  $(0, 18)$  and  $(12, 0)$  and  $(18, 6)$ , as shown on the  $x$ - $y$  plane below.



On the same plane, please draw the curve represented by the equation below:

$$y = \frac{f[3(x-1)] + 2}{2}$$